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RS Gallagher, JC Nagtegaal - Proceedings of the 16th annual conference on Computer ..., 1989 - portal.acm.org  
 ... elements of materials such as **rubber** and steel ... de Veubeke, B., "A Conforming Finite Element for Plate ... on Geomet- ric Modeling and **FEM**, Rensselaer Polytechnic ...  
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**A nonlinear finite element model of soft tissue indentation - group of 3 »**

Y Liu, AE Kerdok, RD Howe - Second International Symposium on Medical Simulation ( ..., 2004 - Springer  
 ... biological materials and solid polymers (**rubber**-like materials ... We have created a **FEM** with a hyperelastic ... 3.1 Creating and Validating the Finite Element Model ...  
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**Integrating Tactile and Force Feedback with Finite Element Models - group of 2 »**

CR Wagner, DP Perrin, RL Feller, RD Howe, O Clatz, ... - Robotics and Automation, 2005. Proceedings of the 2005 IEEE ..., 2005 - ieeexplore.ieee.org  
 ... **E FEM E** ... Fig. 2. Finite element models ... simu- lating a homogeneous compliant material [12] and simulat- ing a rigid lump under a fixed stiffness **rubber** [4]. While ...  
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**Computer-aided design and analysis of direct-driven wheel motordrive - group of 3 »**

KJ Tseng, GH Chen - Power Electronics, IEEE Transactions on, 1997 - ieeexplore.ieee.org  
 ... mechanically suited for fitting with a **rubber** tire and ... it is necessary to use **FEM** to investigate ... The finite-element simulation studies have been invaluable in ...  
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TE Tay, VBC Tan, SHN Tan - Journal Of Composite Materials, 2005 - jcm.sagepub.com  
 ... the stiffness matrix of the **finite element** (FE) may ... through another cylindrical roller, and **rubber** padding is ... are extracted from the centroid of each **element**. ...  
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**A passive vibration isolation stack for LIGO: Design, modeling, and testing - group of 5 »**

J Giaime, P Saha, D Shoemaker, L Sievers - Review of Scientific Instruments, 1996 - authors.library.caltech.edu  
 ... elastic modulus of GE RTV615 silicone **rubber** RTV is ... functions were taken by this method: T zz ... s re- sponse to dynamic excitation, **finite-element** modeling was ...  
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 ... A similar **analysis** applies to tactile display devices, see [11 ... we used a real time **finite element** modeling package ... 2 mm thick piece of silicone **rubber** (HSII RTV ...  
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A Nosratinia - IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO ..., 2001 - ieeexplore.ieee.org  
 ... 10] used a **finite-element** approach to ... The best **rubber** sheet in most cases is rigid close to the ... COMPUTATIONAL ISSUES This section presents an **analysis** of the ...  
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**Sound speed estimation using automatic ultrasound image registration - group of 3 »**

JF Krucker, JB Fowlkes, PL Carson - Ultrasonics, Ferroelectrics and Frequency Control, IEEE ..., 2004 -

ieeexplore.ieee.org

... an image registration-based sound speed estimation method that can be ... A 9 MHz single  
**element** ultrasound transducer (V313, GE ... of a slim piece of **rubber** with a ...

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Mathematical Optimisation of the Suspension System of an Off-Road Vehicle for Ride Comfort  
and ... - group of 2 »

MJ Thoresson - 2003 - upetd.up.ac.za

... 16 2.11 **Finite** difference **gradient** approximation methods . . . . . DFP Davidon-Fletcher-

Powell FEM **Finite Element** Method ffd Forward **Finite** Difference ...

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Nonlinear Blackbox Modeling of MR-Dampers for Civil Structural Control - group of 2 »

G Jin, MK Sain, BF Spencer Jr - IEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY, 2005 -

ieeexplore.ieee.org

... To construct a **finite** dictionary, appropriate range for the ... the residue vector by  
and its th **element** by , ... passive dampers such as lead-**rubber** bearings, friction ...

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J Mackerle - Engineering Computations, 1997 - emeraldinsight.com

... concrete; prestressed concrete; steel; **rubber**; polymer; thermoplastic ... J., High order

**gradient** smoothing towards ... DH et al., **Finite element solution** of nonlinear ...

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gradient eigensolution "finite element solution"

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SH Wong, ZJ Cendes - Magnetics, IEEE Transactions on, 1988 - [ieeexplore.ieee.org](#)  
 ... As is, veil known, the **eigensolution** of the vector ...  $V \nabla V = \nabla \cdot V$  exactly everywhere in the **finite element solution** region ...  $V$  that correspond to the **gradient** of these ...  
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Finite element formulations of structural acoustics problems - group of 3 »

GC Everstine - Computers and Structures, 1997 - Elsevier  
 ... Under this analogy, the pressure **gradient** aplan can be prescribed at a ... the absence of any scatterer.) We now formulate the problem for **finite element solution**. ...  
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Finite element modeling for ultrasonic transducers - group of 5 »

NN Abboud, GL Wojcik, DK Vaughan, J Mould, DJ ... - Proc. SPIE Int. Symp. Medical Imaging, 1998 - [wai.com](#)  
 ... characterization procedures that work and those that require further refinement, all while displaying its impact on the resultant **finite element solution**. ...  
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Two-Dimensional Singular Vector Elements for Finite-Element Analysis - group of 3 »

Z Pantic-Tanner, JS Savage, DR Tanner, AF Peterson - IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, 1998 - [ieeexplore.ieee.org](#)  
 ... function as the **gradient** of a linear combination ... at least four significant digits after **eigensolution**. ... in the full-wave **finite element solution** of waveguiding ...  
 Cited by 7 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

An Iterative Approach to the Finite-Element Method in Field Problems

W Kinsner, E Della Torre - Microwave Theory and Techniques, IEEE Transactions on, 1974 - [ieeexplore.ieee.org](#)  
 ... iterative method for the complete **eigensolution** shall be ... where  $V_i$  is the component of the **gradient** in the  $i$  direction ( $i = Z, Y$ ), and  $A_j$  is the area of the ...  
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BOUNDARY LAYER REFINEMENTS IN CONVECTIVE DIFFUSION PROBLEMS

A KANARACHOS - INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING, 1982 - [doi.wiley.com](#)  
 ... paper outlines a numerical procedure for the **finite element solution** of convective ...  
 $\nabla \cdot (\nabla \phi)$  the **gradient** with respect ... (3)), it must be an '**eigensolution**' of the ...  
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A new acoustic interface element for fluid-structure interaction problems - group of 2 »

C Rajakumar, A Ali, SM Yunus - International Journal for Numerical Methods in Engineering, 1992 - [doi.wiley.com](#)  
 ... The boundary integral equation in terms of pressure  $P$  and pressure **gradient**  $Q = \frac{\partial P}{\partial n}$  can be written as (1)  $c \cdot \nabla \phi + \int \nabla \phi \cdot \nabla T(x) = \int \nabla \phi \cdot \nabla T(x) \cdot r \cdot r$  ...  
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 ... Law, KH A parallel **finite element solution** method, Computers ... Parallelizing conjugate

**gradient** for finite element analysis ... and Morel, M. **Eigensolution** of finite ...

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Multigrid solution procedures for structural dynamics eigenvalue problems - group of 2 »

T Hwang, ID Parsons - Computational Mechanics, 1992 - Springer

... of this explicit multigrid method to solve for the first **eigensolution** (2,9 ... method

used in this study is the preconditioned conjugate **gradient** method described ...

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... was applied to the **finite element solution** of linear ... respectively, and (A, #) is

the required **eigensolution**. ... preconditioned conjugate **gradient** method will be ...

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